

Title (en)
SYSTEMS AND METHODS FOR OPERATING AUTONOMOUS TUG ROBOTS

Title (de)
SYSTEME UND VERFAHREN ZUM BETREIBEN VON AUTONOMEN SCHLEPPROBOTERN

Title (fr)
SYSTÈMES ET PROCÉDÉS DE COMMANDE DE ROBOTS DE MANUTENTION AUTONOMES

Publication
EP 3817900 A1 20210512 (EN)

Application
EP 19831318 A 20190702

Priority

- US 201862694134 P 20180705
- US 201862750609 P 20181025
- US 2019040244 W 20190702

Abstract (en)
[origin: WO2020010047A1] Systems and methods for operating autonomous tug robots are disclosed. Robotic tugs disclosed herein are configured to autonomously maneuver to a desired location to pick up and retrieve an item, such as a load or a cart, nest the item within the robot, transport the item, and deliver the item to a desired location.

IPC 8 full level
B25J 13/08 (2006.01); **B60P 1/02** (2006.01); **G05D 1/02** (2020.01)

CPC (source: EP US)
B62B 5/0079 (2013.01 - US); **B66F 9/063** (2013.01 - US); **B66F 9/18** (2013.01 - US); **G05D 1/0061** (2024.01 - US); **G05D 1/0212** (2024.01 - EP); **G05D 1/0246** (2024.01 - US); **G05D 1/246** (2024.01 - US); **G05D 1/249** (2024.01 - US); **G05D 1/81** (2024.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2020010047 A1 20200109; EP 3817900 A1 20210512; EP 3817900 A4 20220413; US 12030757 B2 20240709; US 2021147202 A1 20210520

DOCDB simple family (application)
US 2019040244 W 20190702; EP 19831318 A 20190702; US 202117140468 A 20210104